

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference MCM/PWJ/24648GB	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/ 03260	International filing date (day/month/year) 24/07/2003	(Earliest) Priority Date (day/month/year) 24/07/2002
Applicant HARADA INDUSTRIES (EUROPE) LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 03 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

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☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/03260

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01Q1/12 H01Q7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 160 518 A (SHIBATA NAOKI ET AL) 12 December 2000 (2000-12-12)	1-6, 14-16
Y	abstract; figure 2	18, 19
X	figure 5	10-12
X	EP 0 806 808 A (HARADA IND CO LTD) 12 November 1997 (1997-11-12)	1-6, 14-16
Y	page 4, line 42, 43	18, 19
Y	EP 0 854 533 A (FORD MOTOR CO) 22 July 1998 (1998-07-22)	18, 19
	figure 1	
X	US 5 565 876 A (MURAKAMI HARUNORI ET AL) 15 October 1996 (1996-10-15)	1-5, 14, 15, 17
	the whole document	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex:

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *g* document member of the same patent family

Date of the actual completion of the international search

6 October 2003

Date of mailing of the international search report

27/10/2003

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Information on patent family members

International Application No

PCT/GB 03/03260

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6160518	A	12-12-2000	JP 2000307321 A	02-11-2000
EP 0806808	A	12-11-1997	JP 9298413 A	18-11-1997
			EP 0806808 A2	12-11-1997
			US 5949381 A	07-09-1999
EP 0854533	A	22-07-1998	US 5883599 A	16-03-1999
			DE 69702591 D1	24-08-2000
			DE 69702591 T2	19-04-2001
			EP 0854533 A1	22-07-1998
			JP 10209731 A	07-08-1998
US 5565876	A	15-10-1996	NONE	